

# CLAIMS

1. A set comprising a battery charger and an element for connecting to the unit, the battery of which is to be charged, characterized in that the charge parameters of the charger are variable, in that the connection element (8) is removable from the charger (2), and in that it comprises means (28, 30) outside the charger, for automatically determining the electrical parameter(s) of the charge upon connecting the unit to the charger via the connection element.

2. The set according to claim 1, characterized in that the means for automatic determination of the parameter(s) of the charge is located in the connection element.

3. The set according to claim 1 or 2, characterized in that the means for automatic determination of the parameter(s) of the charge includes at least one electronic component such as a resistor.

4. The set according to claim 2, characterized in that the means for determining the parameters of the charge is located in the connector (10) of the connection element which is for cooperating with a complementary connector of the charger.

5. The set according to claim 2, characterized in that the means for automatic determination of the parameter(s) of the charge is located in the cable of the connection element or in a connector for cooperating with a complementary connector of the unit to be charged (6).

6. A battery charger characterized in that it includes means for varying the charge parameters and in that it includes at least one input (34, 36, 38, 40) for receiving an element or signal for determining this (these) parameter(s).

